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AMENDMENT TO THE CLAIMS

Cancel claims 1-28.

29. (Currently Amended) A spin mixture comprising a spin agent and a polymer component, said polymer component consisting of: an optional first polymer and a second polymer; comprising 0 to 95 % by weight of said first polymer; polyethylene or polyethylene terephthalate and 5 to 100% by weight of said second polymer; wherein said first polymer is selected from the group consisting of polyethylene and polyethylene terephthalate; wherein said second polymer is a functional polymer the functional polymer being selected from the group consisting of polyethylene having 1 to 25 mol % of pendant functional groups and or polyethylene terephthalate having 1 to 25 mol % of pendant functional groups; and wherein said pendant functional groups are selected from the group consisting of fluorocarbon radicals and oxyethylene radicals.

30. (Currently Amended) A spin mixture comprising a spin agent and a polymer component, said polymer component consisting of: an optional first polymer and a second polymer;

wherein the polymer comprises 0 to 95 % by weight of a said first polymer and 5 to 100 % by weight of a said second polymer;

wherein the first polymer is selected from the group consisting of polyolefins, copolymers of polyolefins and thereof with ethylenically unsaturated monomers, polyesters, and mixtures thereof; and

wherein the second polymer is a functional polymer selected from the group consisting of polyolefins having 1 to 25 mol % of pendant functional groups, copolymers of polyolefins and thereof with ethylenically unsaturated monomers having 1 to 25 mol % of pendant functional groups, polyesters having 1 to 25 mol % of pendant functional groups, and mixtures thereof, and the second polymer comprises 1 to 25 mol % of wherein said pendant functional groups are selected from the group consisting of fluorocarbon radicals, perfluorovinyl ether radicals, vinyl silane radicals and oxyethylene radicals.

31. (Original) The spin mixture of Claim 30 wherein the spin agent is selected from the group consisting of aliphatic hydrocarbons, fluorocarbons, halogenated hydrocarbons, and hydrofluorocarbons

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32. (Currently Amended) The spin mixture of Claim 30 wherein the polymer mixture component consists of ~~comprises~~ 70 to 95 percent by weight of the first polymer and 5 to 30 to 5 percent by weight of the second polymer.

33. (Original) The spin mixture of Claim 30 wherein the first polymer is polyethylene terephthalate.

34. (Original) The spin mixture of Claim 30 wherein the first polymer is polyethylene.

35. (Currently Amended) The spin mixture of Claim 30 wherein the second polymer is polyethylene terephthalate having 1 to 25 mol % of pendant functional groups.

36. (Currently Amended) The spin mixture of Claim 30 wherein the second polymer is polyethylene having 1 to 25 mol % of pendant functional groups.

37. (Original) The spin mixture of Claim 30 wherein the pendant group is a fluoro-olefin radical.

38. (Original) The spin mixture of Claim 30 wherein the second polymer is grafted with fluoro-olefin radical.

39. (Original) The spin mixture of Claim 30 wherein the pendant group is oxyethylene trimer.

40. (Original) The spin mixture of Claim 30 wherein the second polymer is grafted with oxyethylene trimer.

41. (Original) The spin mixture of Claim 30 wherein the pendant group is a perfluorovinyl ether.

42. (Original) The spin mixture of Claim 30 wherein the second polymer is grafted with perfluorovinyl ether.

43. (Original) The spin mixture of Claim 30 wherein the pendant group is a vinyl silane.

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44. (Original) The spin mixture of Claim 30 wherein the second polymer is grafted with vinyl silane.

45. (Currently Amended) The spin mixture of Claim 30 wherein the second polymer is a functional polymer selected from the group consisting of polyolefins having comprises 5 to 15 mol % of pendant functional groups, copolymers of polyolefins and ethylenically unsaturated monomers having 5 to 15 mol % of pendant functional groups, polyesters having 5 to 15 mol % of pendant functional groups, and mixtures thereof.

46. (Original) The spin mixture of Claim 30 formed as a plexifilamentary yarn.

47. (Original) The spin mixture of Claim 30 formed as a microcellular foam.

48. (Original) The spin mixture of Claim 30 formed as a non-woven fabric.

49. (Original) The plexifilamentary yarn of Claim 46 formed as a non-woven fabric.